

Your oral presentation

1. Prepare a 5-minute talk; 1 minute for question.
I will ring a bell if you speak more than 5.5 minutes. Once you hear the sound, you should wrap up your story.
I will subtract 3 points if you speak less than 4 minutes.
2. Presentation format:
 - (1) Introduction: introduce your animals, why this project is interesting to you and its significance
 - (2) Observation results
 - (3) Hypothesis
 - (4) Experimental designs
 - (5) Experimental results (optional)
 - (6) Discussion: Do your results support your hypothesis? If not, provide alternative explanation.
 - (7) Conclusion and take home message
3. Speak to your audience (eye contact).
4. Organize your slides, make sure it flows well. Practice a few times
5. You will grade each other's presentation.

Format of your final report

1. Abstract (1 paragraph)
2. Introduction
3. Methods
4. Results (or your **predictions**)
5. Discussion
6. References

1. Abstract

Abstract

The abstract succinctly introduces the paper.

It should mention why you study this topic; your observation and your hypothesis. without going into methodological detail and should summarize the most important results. Avoid specialist abbreviations if possible.

2. Introduction

The introduction should put the focus of your study into a broader context. As you compose the introduction, think of readers who are not experts in this field. Include a brief review of related studies (doing google search). The introduction should conclude with a brief statement of the significance of this project, why it is an interesting project to you.

3. Observation results

The results section should provide results of observations. Remember: you need to quantify your observation data.

4. Questions and Hypotheses

Based on your observational data, come up with your questions and then the hypotheses.

- Multiple hypotheses (from one question) are strongly encouraged

4. Experimental designs

This section should provide enough detail to allow full replication of the study by suitably skilled investigators. The experiments should be designed specifically to test the focal hypothesis.

4. Results (optional)

The results section should provide details of all of the experiments (or observations) that are required to support the conclusions of the study. I advise that the results section be written in past tense.

5. Discussion

The discussion should spell out the major conclusions of the work along with some explanation or speculation on the significance of these conclusions. The discussion should be concise and tightly argued. Conclusions firmly established by the presented data, hypotheses supported or rejected by the presented data, and speculations suggested by the presented data should be clearly identified as such.

6. Acknowledgments

Optional (anyone who help you with doing this project?).

6. References

1. Sanger F, Nicklen S, Coulson AR (1977) DNA sequencing with chain-terminating inhibitors. Proc Natl Acad Sci U S A 74: 5463-5467..